DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

P58GL Revision 11 McCauley B3D32C(4--) B3D34C(4--) B3D36C(4--) C3D36C(4--) April 5, 2001

TYPE CERTIFICATE DATA SHEET NO. P58GL

Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. P58GL and other approved data on file with the Federal Aviation Administration, meet the minimum standards for use in certificated aircraft in accordance with the pertinent aircraft data sheets and applicable portions of the Federal Aviation Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder: McCauley Propeller Systems

3535 McCauley Drive Vandalia, Ohio 45377

Type Constant speed, hydraulic (see NOTE 3)

Engine Shaft S.A.E. No. 2 flange modified (six 1/2" mounting bolts)

Hub Material Aluminum Alloy Blade Material Aluminum Alloy

No. of Blades Three

Hubs Eligible B3D34C405, B3D32C407, B3D32C412, B3D34C413, B3D32C414,

C3D36C415, B3D36C416, B3D32C417, B3D32C419, B3D36C424, B3D36C427, B3D36C428, B3D36C429, B3D36C431, B3D36C432,

B3D36C433, B3D36C442

Blades Eligible (See NOTE 2)	Maximum <u>Continuous</u> HP RPM	Diameter <u>Take-Off</u> Limits HP RPM (See NOTE	Approx. Max. Weight Complete (Max. Dia.)			
90DF[X]-4	285 2700	Hub Model B3D34C405 285 2700 86" - 74"	71.5 Lbs.			
90DF[X]-16	203 2700	(-4 to -16)	71.3 203.			
Hub Model B3D32C407 82ND[X]-2						
to 82ND[X]-8	260 2600	260 2600 80" - 74" (-2 to -8)	66.5 Lbs.			

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Blades Eligible (See NOTE 2)		imum nuous RPM	<u>Take</u> HP	e-Off RPM	Diameter Limits (See NOTE 2)	Approx. Max. Weight Complete (Max. Dia.)
OONDINI O			Hub Model	B3D32C4	<u>12</u>	
82ND[X]-2 to 82ND[X]-8	260	2700	260	2700	80" - 74" (-2 to -8)	65 Lbs.
			Hub Model	B3D34C4	<u>13</u>	
90DF[X]-0 to 90DF[X]-10	260	2600	260	2600	90" - 80" (-0 to -10)	76 Lbs.
			Hub Model	B3D32C4	<u>14</u>	
82ND[X]-2 to 82ND[X]-10	260	2700	260	2700	80" - 74" (-2 to -10)	73 Lbs.
		Hub M	Iodels C3D36C	2415 and E	33D36C416	
82NG[X]-2 to 82NG[X]-10	260	2700	260	2700	80" - 72" (-2 to -10)	73 Lbs.
			Hub Model	B3D32C4	<u>17</u>	
82NR[X]-2 to 82NR[X]-9	270	2575	270	2575	80" - 73" (-2 to -9)	66.5 Lbs.
			Hub Model	B3D32C4	<u>19</u>	
82NH[X]-0 to 82NH[X]-9	285	2700	285	2700	82" - 73" (-0 to -9)	66.5 Lbs.
			Hub Model	B3D36C42	<u>24</u>	
74S[X]-0 to 74S[X]-6	260	2700	260	2700	74" - 68" (-0 to -6)	69.0 Lbs.
			Hub Model	B3D36C42	<u>27</u>	
82NG[X]-2 to 82NG[X]-10	300	2700	300	2700	80" - 72" (-2 to -10)	73.0 Lbs.
		Hub N	Model B3D36C	428 and B	3D36C429	
82NP[X]-0 to 82NP[X]-10	260	2700	260	2700	82" - 72" (-0 to -10)	* 69.0 Lbs. ** 73.0 Lbs.
* C428 ** C429						

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Blades Eligible (See NOTE 2)	Con	ximum tinuous RPM	<u>Tak</u> HP	e-Off RPM	Diameter Limits (See NOTE 2)	Approx. Max. Weight Complete (Max. Dia.)		
Hub Model B3D36C431								
80VS[X]-0 to 80VS[X]-8	325	2700	325	2850	80" - 72" (-0 to -8)	76.0 Lbs.		
	Hub Model B3D36C432							
80VS[X]-0 to 80VS[X]-8	325	2700	325	2850	80" - 72" (-0 to -8)	76.0 Lbs.		
Hub Model B3D36C433								
80VS[X]-0 to 80VS[X]-8	325	2700	325	2850	80" - 72" (-0 to -8)	73.0 Lbs.		
Hub Model B3D36C442								
80VS[X]-0 to 80VS[X]-8	325	2700	325	2850	80" - 72" (-0 to -8)	76.0 Lbs.		

Certification Basis

Type Certificate No. P58GL issued January 17, 1979 under Delegation Option Authorization Provisions of Part 21, Subpart J, of the 14 Code of Federal Regulations (CFR). Date of application for Type Certificate, November 17, 1979.

Model B3D32C407 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 35 including Amendments 35-1 through 35-4 (May 2, 1977) thereto.

Models B3D34C405, B3D32C412, B3D34C413, B3D32C414, C3D36C415, B3D36C416, B3D32C417, B3D32C419 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 35 including Amendments 35-1 through 35-5 (October 14, 1980) thereto.

Models B3D36C424, B3D36C427, B3D36C428, B3D36C429, B3D36C431, B3D36C432, B3D36C433 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 35 including Amendments 35-1 through 35-6 (August 18, 1990) thereto.

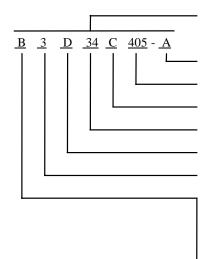
Model B3D36C442 type certificated under Delegation Option Authorization Provisions of 14 CFR Part 35 requirements amended through August 18, 1990. Type Certificate No. P58GL, revised April 5, 2001.

Production Basis

Production Certificate No. 3

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NOTE 1. Hub Model Designation.



Basic Model Designation

Minor change not affecting interchangeability or eligibility.

Change affecting eligibility.

C denotes constant speed.

McCauley blade shank size.

Denotes SAE No. 2 flange modified (6-1/2" mounting bolts).

Denotes number of blades.

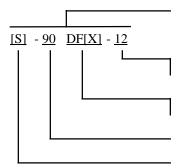
Indicates angular location of small diameter indexing holes for mounting bolts, with respect to blade centerline, when viewing hub from flange mounting face.

Blank - 0 degrees and 180 degrees clockwise

B - 150 degrees and 330 degrees clockwise

C - 30 degrees and 210 degrees clockwise

NOTE 2. Blade Model Designation.



Basic Model Designation

Reduction in inches from basic diameter (as -12 diameter reduced 12 inches to 78 inches).

Characteristics of blade design (planform, etc.). Suffix [X] indicates blade butt staking dimensions for actuating pin attachment.

Basic diameter in inches.

Minor change not affecting interchangeability or eligibility.

NOTE 3. Pitch Control.

With the following governors:

(1) McCauley Model C290DX/TX

Weight 2.8 pounds.

(2) Edo Aire Model 34-828-XXX-XX

Weight 2.5 pounds.

(3) McCauley Model DC290DX/TX

Weight 2.8 pounds.

NOTE 4. Not applicable.

NOTE 5. Not applicable.

NOTE 6. Not applicable.

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NOTE 7. Accessories.

- a. Propeller Spinner
 - (1) Model B3D32C412/82ND[X] with McCauley spinner, reference drawing D-6012.
 - (2) Model B3D32C414/82ND[X] with McCauley spinner, reference drawing D-6240.
 - (3) Model C3D36C415/82NG[X] with McCauley spinner, reference drawing D-6323, D-6323-1, D-5992, D-5992-1, D-6504, or D-6614.
 - (4) Model B3D36C416/82NG[X] with McCauley spinner, reference drawing D-6240.
 - (5) Model B3D32C417/82NR[X] with McCauley spinner, reference drawings D-6204 or D-6204-1.
 - (6) Model B3D32C419/82NH[X] with McCauley spinner, reference drawing E-6349.
 - (7) Model B3D36C424/74S[X] with McCauley spinner, reference drawings D-6012 or D-6012-1, D-6504, or D-6614.
 - (8) Model B3D36C427/82NG[X] with McCauley spinner, reference drawings D-6012 or D-6012-1.
 - (9) Model B3D36C428/82NP[X] with McCauley spinner, reference drawing D-6614.
 - (10) Model B3D36C429/82NP[X] with McCauley spinner, reference drawing D-7290.
 - (11) Model B3D36C431/80VS[X] with McCauley spinner, reference drawing E-7296.
 - (12) Model B3D36C433/80VS[X] with McCauley spinner, reference drawing E-7350.
 - (13) Model B3D36C442/80VS[X] with McCauley spinner, reference drawing E-7296.
- NOTE 8. Not applicable.
- NOTE 9. Not applicable.
- NOTE 10. Special Notes. Aircraft installation must be approved as part of the aircraft type certificate upon compliance with the applicable aircraft airworthiness requirements.

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